



Maximo Product Update - 2011

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Maximo - Asset Management for a Smarter Planet

Transportation
Assets

Facilities

Production
Equipment

IT Hardware
& Software

Communications
infrastructure

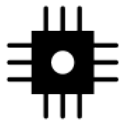


A smaller, flatter, faster and
“smarter” planet



THE CHALLENGE: *more complexity in assets and processes, more capabilities required, more reliance on management systems*

THE OPPORTUNITY: *More insight and collaboration, more efficiency, growth and profit, more innovation*



INSTRUMENTED



INTERCONNECTED



INTELLIGENT

Maximo's role in a Smarter Planet:

- The IBM system to manage intelligent assets
- Leveraging asset intelligence to maximize their business value
- Reducing the cost of managing and operating intelligent assets

How Maximo does this:

- Visibility, control, and automation across IT and operational infrastructure
- Optimized operational and IT processes to achieve more with less
- Managing both the asset and the service to deliver customer value

Development Principle: Drive Higher Customer Value

Objectives

- [Enhance Maximo](#) best-in-class capabilities and solutions
- [Drive innovation](#) with input from customer groups, advisory councils and business partners
- Continue to produce [High Quality](#) products; leverage customer input during every step of the development cycle
- [Protect customer investment](#); upgrades to future Maximo versions
- Commit to [Open Standards](#): J2EE, SOA
 - both IBM and non-IBM platform components

Maximo Development Focus

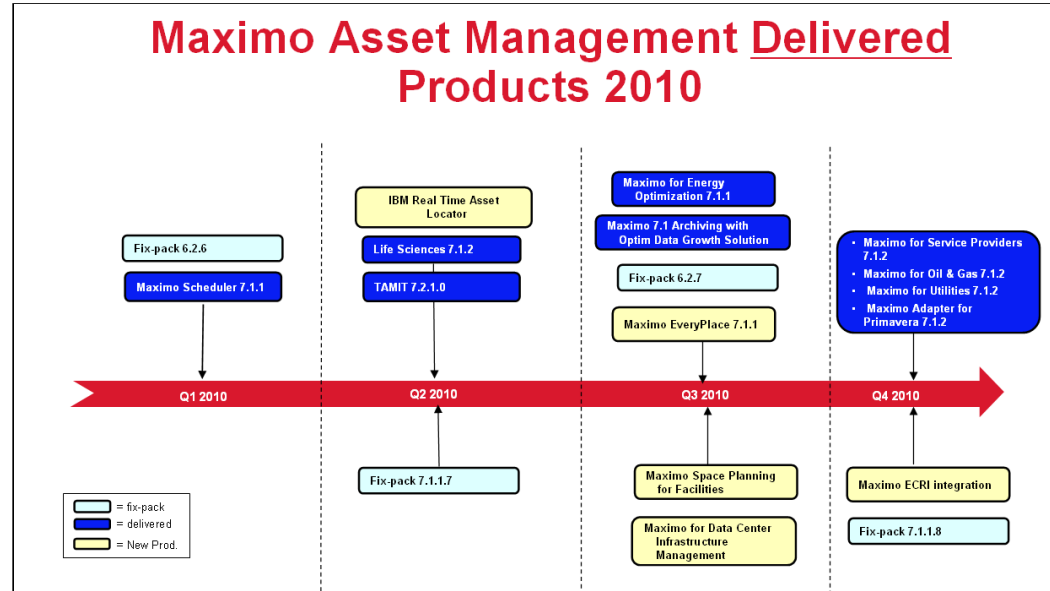
- Continue to Enhance Version 7 core capabilities, architecture, platform and technology
- Incremental Features and Value-add capabilities to extend Version 7
- Expand deep Industry Solution functionality and new Growth areas such as:
 - Intelligent Buildings
 - Safety, Risk and Compliance
 - Facilities Management/Space Planning
- Leverage IBM products and technology

2010 Roadmap Highlights

We had a very busy year.....

▪ 9 Product Releases

- Improvements to 4 add ons
 - Scheduler
 - Archiving
 - Everyplace
 - Primavera Adapter
- Improvements to 5 Industry Solutions
 - Service Provider
 - Internal Service Provider
 - Oil and Gas
 - Utilities
 - Life Sciences



▪ 4 new products released

- Maximo for Space Planning
- Maximo for Data Center Infrastructure Management
- Maximo Real Time Asset Locator
- Maximo Everyplace

▪ New Maximo Content added and available for download

- Maximo ECRI integration for Healthcare

Note: Other content for download includes, Maximo FileNet integration and Maximo ITM for monitoring

Maximo Space Planning for Facilities Management

Integrated Computer Aided Facilities Management (CAFM) with Maximo Asset Management to address the challenges faced by Facilities Managers:

- Increased emphasis on employee mobility and flexibility
- Total cost of occupancy is an organization's 2nd largest cost
 - Reduce costs by managing occupancy levels
 - Track energy costs based on building usage/occupancy

Key Capabilities

- *Space Design, Management & Accounting*
- *IT Infrastructure Management*
- *LAN and telecom information*
- *Move Management*
- *Occupancy Management*
- *Business continuity and safety information*
- *Mechanical, Electrical, Plumbing*
- *Lock & Key Management*
- *Building Infrastructure Management*
- *Business Resumption/Contingency Planning*
- *Hazardous Condition Tracking*



Moving from
Facilities Maintenance
to
Facilities
Management

Maximo Data Center Infrastructure Management

Visualizes and manages the physical infrastructure of the data center including IT and non-IT assets, facilities, space, power, cabling and network connectivity.

Highlights

- ✓ Visualize data center space, including top view and rack elevation view
- ✓ From visual representation drill into details of a specific location, asset or equipment
- ✓ View point-to-point connectivity of data center assets and equipment
- ✓ Plan Moves, Adds and Changes based on space and power capacity, and heat dissipation
- ✓ Scenario planning to determine future configurations
- ✓ Integration with Tivoli Asset Management for IT allows exchange of asset data and leverages workflow engine from data center drawings
- ✓ Reduce operational costs and mitigate risk by enabling more optimal use of the data center infrastructure
- ✓ Provide facilities and data center management a common view of the infrastructure

The screenshot displays the IBM Maximo Data Center Infrastructure Management interface. The main window is titled "Rack Information" and shows details for Rack 2262. The interface is divided into several sections:

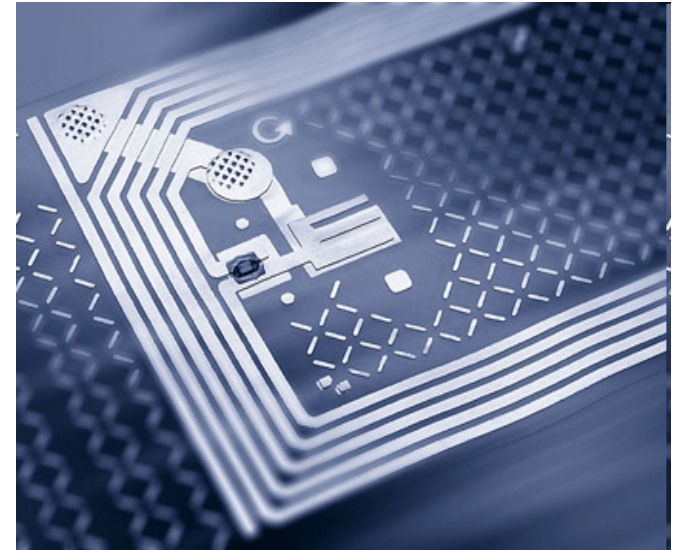
- Rack Information:** A table of fields including Rack_ID (2262), Owner (Global Services), Manufacturer (IBM), Model (93074RX), Serial (532262DCX93), Ownership (Owned), Install_date (14112009), Remove_date, Site (Buena Vista), Building (B), Floor (G), Room (G613), Status (Active), Max_RU (42), Used_RU (33), Avail_RU (9), Max_Pwr (1200), Used_Pwr (200), and Avail_Pwr (1000).
- Servers in Rack:** A list showing PDU-2262.
- Panels in Rack:** A list showing PP-2262A, PP-2262B, PP-2262C, PP-2262D, PP-2262E, SW-1001, and SW-1002.
- Rack Elevation View:** A visual representation of the rack structure, showing two racks (Rack 2262 and Rack 2261) with various components and their positions. The view includes a grid of units and a color-coded status indicator.

At the bottom of the interface, there are summary statistics for the racks:

Rack	Avail RU	Avail Pwr
Rack 2262	9	1000
Rack 2261	14	0

Real-time Asset Locator

- IBM Maximo Real-time Asset Locator allows Maximo customers to manage and trigger Asset events based on the real-time location of an asset from within the Maximo Asset Management
- IBM Maximo Real-time Asset Locator provides Maximo clients the ability to access the location of assets using RFID and other supported real-time location technologies. Support for multiple sensor solutions (Ultrasound, RFID, WiMax, etc.)
- Improves compliance support in highly regulated markets where events must be triggered based on locations.
- In highly regulated industries, like Healthcare and Life Sciences, the location of assets may trigger specific service management and disposition rules

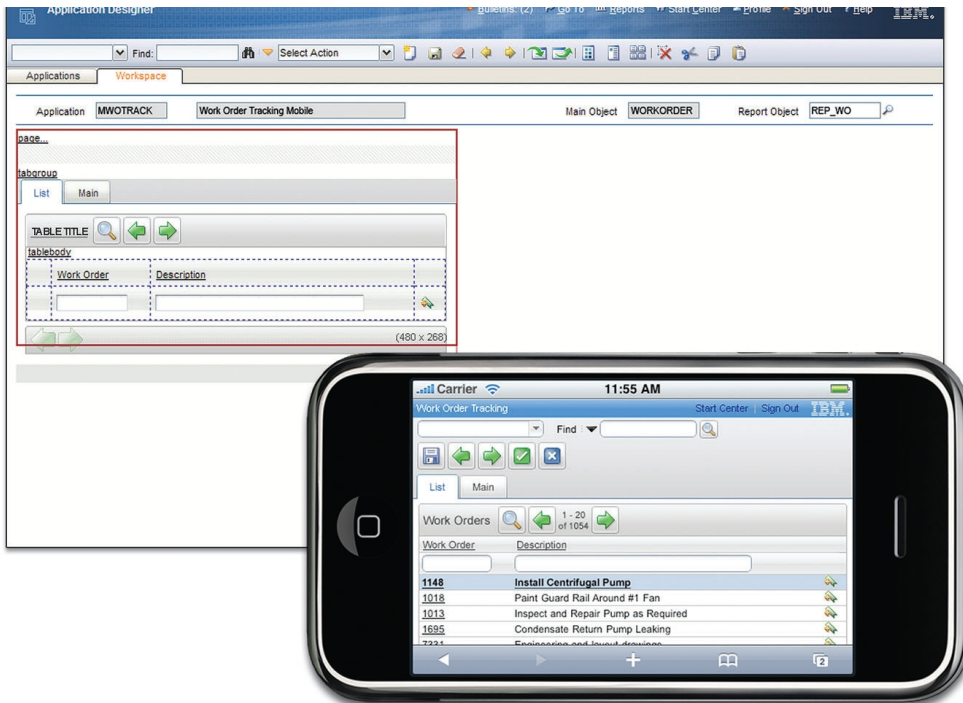


IBM Maximo Everyplace

Allows users to access any existing IBM Maximo application on an iPhone, iPad, iPod touch, Android or other supported device without installing anything on those devices

Maximo Everyplace enables users to:

- Shorten the lag time between an event's occurrence and the recording of that event in the system. There's no need to wait until they get back to their desk to enter or retrieve data.
- Increase accuracy of data in the system by allowing them to enter information while it's fresh in their minds.
- Offer convenient, targeted access to Maximo for workers who don't regularly sit at a desk or use a desktop computer.





Product Portfolio – 2011

Core Solutions

Maximo Asset Management	Maximo Asset Mgmt Essentials	Maximo for Energy Optimization	Maximo Space Planning	Maximo for Data Center Infrastructure Mgmt	Intelligent Building Management
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Industry Solutions

Utilities	Life Sciences	Nuclear Power
Transportation	Government	Oil & Gas

Add-On Solutions

Service Provider	Archiving	Spatial	Scheduler	Internal Service Provider	SMART Mobile Work Mgr
Calibration	Asset Configuration Manager	Change & Corrective Action Mgr	Linear Assets	SMART Mobile Inventory Mgr	
MX Mobile Asset Mgr	MX Mobile Inventory Mgr	MX Mobile Work Mgr	Everyplace	SMART Mobile Auditor	
SAP ERP Adapter	Oracle ERP Adapter	Primavera Adapter	MS Project Adapter	Real Time Asset Locator	

Safety Risk & Compliance

What's Next?.....

Maximo 7.5 !

Tivoli. software IBM.

Welcome to Maximo



User Name:

Password:

[Mobile Login](#)
[Forgot Password?](#)
[New User? Register Now](#)

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Maximo 7.5 – 3 Major Areas of Focus

1. New & Enhanced Supply Chain Management

- PO/PR/RFQ/Invoicing
- Inventory/Receiving

- Expanded Capabilities
- Customer Driven Requirements
 - Satisfy Functional gaps
 - Improved Usability/Maintainability
 - Address Integration/ERP

2. Return on Investment

- Automation Scripts
- Application data Import/Export
- Enhanced Migration Manager
- Usability & Performance

- Additional Configuration
- Lower Cost of Implementation
- Lower Cost of Ownership
 - Easier to configure & support

3. Continued Leadership and Innovation in EAM

- Enhanced Work & Asset Management
- Linear Asset Visual Control

- Deep Vertical Functionality
- Improved End-User interaction

Maximo 7.5 (Q2 2011) – Expanded Footprint

Asset Management	Work Management	Materials Management	Purchasing	Contract Management	Service Management
Locations • Repair Facilities Asset Asset Templates Failure Codes Linear Assets • Visual Control Condition Monitoring Meters Meter Groups	Job Plans • Revisioning Routes Service Requests Work Order Tracking • Assignment Tab • Hard/Soft Reservations • Repair Facilities Safety Quick Reporting Labor/Crafts Tools Preventive Maintenance • PM Forecasting Master PM Assignment Manager	Item Master Storerooms Inventory • Inventory Usage • LIFO/FIFO Costing • Consignment • Transfer via Shipment • Default Costing Condition Codes Stocked Tools Service Items	Request for Quotation Receiving Receiving Inspections Shipment Receiving Purchase Requisitions • Invoices • Invoice Reversals Purchase Orders • Revisioning • Receipt Tolerance Desktop Requisitions	Purchase Contracts Master Contracts Warranty Contracts Lease/Rental Contracts Labor Rate Contracts • Premium Pay Rates Payment Schedules	Service Groups SLA Management Change Management • Incidents • Problems • Changes • Releases • Solutions

Enhanced Workflow – Event Driven, Context-based / Escalation Manager

KPIs / Reporting/ Ad-hoc Reporting / Cognos Integration

Security/Administration/Configuration – Automation Scripts, Migration Manager

Integration/Web Services – Import & Export direct from applications



Maximo 7.5 Highlights



Maximo 7.5 Technical Platform

Developed on current R7.1 Architecture:

- J2EE based Enterprise Application
 - Web Application Interface for users to access Maximo applications via Browser
 - Fully configurable from presentation content to the business logic
 - Configurable Authentication (Database based or LDAP based)
 - Integration mechanisms via Web Services, JMS, HTTP, EJB, XML files, Flat files and Interface tables in database
 - Built-in reporting using BIRT/Cognos/TCR and support for integration with customer's reporting systems

- Supported Application Servers
 - IBM WebSphere Server
 - Oracle WebLogic Server

- Supported Database Platforms
 - DB2
 - Oracle
 - SQL Server

Maximo 7.5 Planned Platform Updates

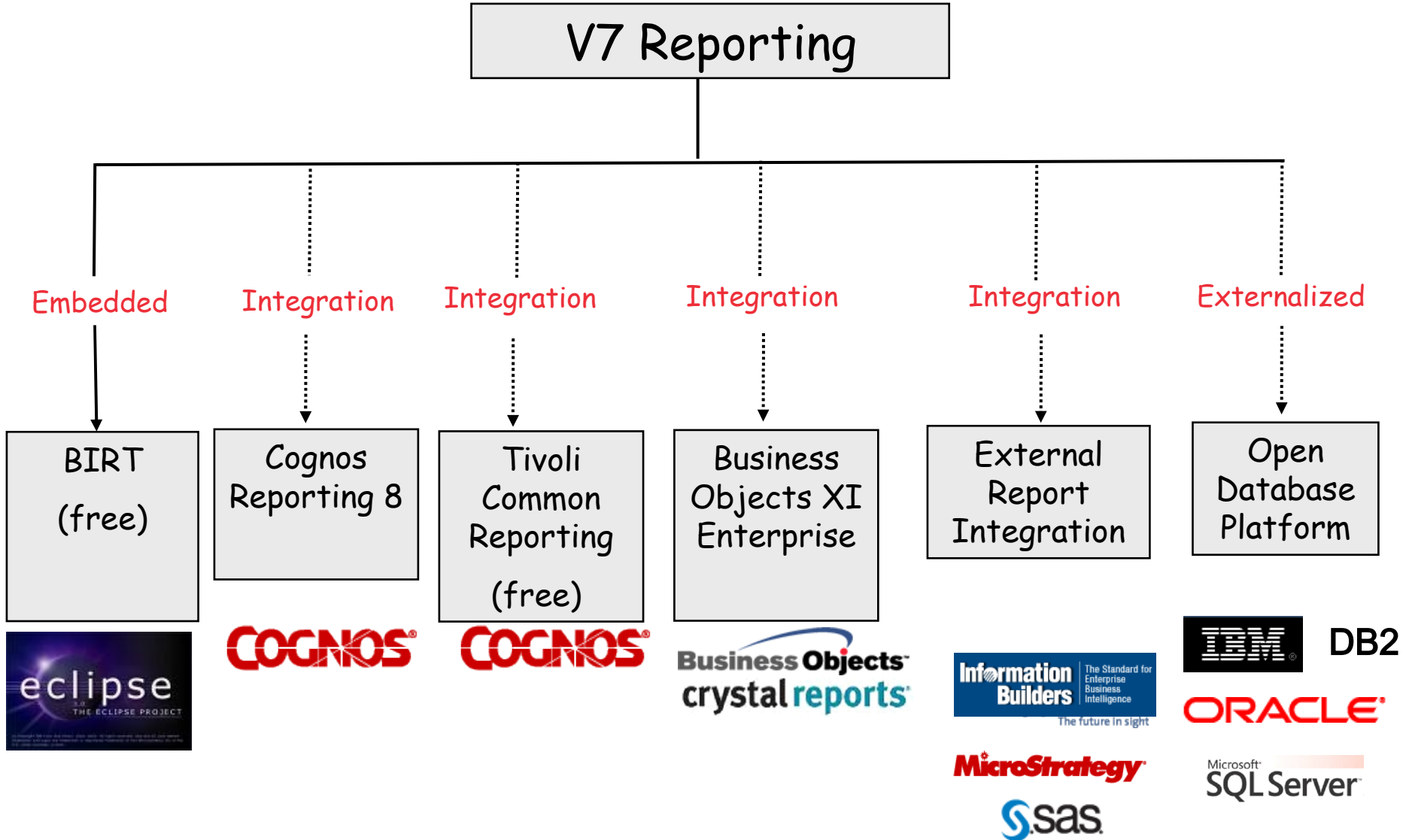
Updated:

- Operating Systems
 - AIX 7.1
 - RHEL 6
- Database
 - DB2 9.7
 - DB2 9.8
- Application Servers
 - Websphere Server 7
 - Weblogic Server 10.3
- LDAP
 - Tivoli Directory Server 6.3
 - Windows Server AD 2008 R2

Deprecated:

- Operating Systems
 - AIX 5.3
 - RHEL 3
 - RHEL 4
 - SLES 9
 - All Linux 32 bits flavors
- Database
 - DB2 8.2
 - DB2 9.1
- Application Servers
 - WebSphere 6.1

Maximo Open Report Architecture



Maximo 7.5 Reporting Enhancements

- Give the User the ability to copy an Ad Hoc Report and Edit it (add/delete fields) as needed
- Implement Report Schedule Limits by Security Group
- Direct Print with Attachments property added in V6. Equivalent Property value added for BIRT in V7.
- Enable localization of Report Object Structures (ROS) Values - Cognos Packages – as seen to the end user within Report Studio or Query Studio
- Enable report emails to be sent via links instead of pdf, xls attachments (new Report Viewer application)
- Report Schedule Limits Report Administration Report
- Enable Rich Text Formats to display in BIRT Reports
- Enable direct launch to Cognos from applications
- Additions/Deletions of Report Design files to provide continued value-add for clients (updated for 7.x application enhancements)

Solutions addressed with Release 7.5

- *Business plans change, Users make mistakes, 'stuff' happens throughout the Supply Chain Management process...*

- **Examples:**
 - Submitted PO needs quantity adjustment or change item numbers: [PO Revisioning](#) allows user to modify, resubmit and retain history of original PO

 - Shipment is received, recording the receipt with incorrect packing slip number: User can now [Void Receipt](#), [Receipt Quantity Tolerance](#) can prevent incorrect amounts from being received (saves time and reduces data entry errors)

 - Vendor Invoice was entered and approved, later it was discovered unit price for an item was incorrect: Action to [Reverse Invoice](#), backs out approved invoice, user can duplicate, make corrections and approve

Solutions addressed with Release 7.5

- *Business plans change, Users make mistakes, 'stuff' happens throughout the Supply Chain Management process...*

- Examples:
 - Some of the Items we issue require inspections and approval before delivering the order: *Inventory Usage streamlines the process, supports workflow for issues & transfers, staged and shipped items, multiple assets/bins per line.*

 - We need more flexibility with how we manage the cost of our inventory items... more like what we can do in our ERP system: *'New' costing method added to allow for valuation at actual receipt costs on a LIFO or FIFO basis*

 - Our work schedules are tight, we need to make sure reserved parts are available when we need them: *Issues and transfers can now be defined as either 'Hard or Soft' reservations...a 'hard' reservation blocks the reserved quantity from being available for other requests*

Solutions addressed with Release 7.5

- *Customers are pushing their maintenance staffs to be more efficient and require processes that support these efforts....*
- Examples:
 - I need to enter a dozen of the same type of asset, it's painful to have to enter them each individually and making updates to them later on is just as bad: [Asset templates](#) *can be used to create multiple assets or to update multiple existing assets with common asset information*
 - Frequently a truck from one of our other sites pulls in and needs maintenance while they are here: [Repair Facility locations](#) *enables work orders & PM's to be completed for Assets from different sites*
 - We have stringent controls on when a Job Plan can be changed and we need to retain history: [Job Plan Revisioning](#) *can be enabled, each previous version is kept for full history and compliance*
 - We need to look ahead at our PM's scheduled dates: [PM Forecasting](#) *tab allows generating forecasted PM dates, dates can be changed or re-forecast as necessary*

Repair Facilities

Find: Select Action # Save Undo Redo Refresh Print

List **Work Order** Plans Assignments Related Records Actuals Safety Plan Log Data Sheet Failure Reporting Specifications

* Work Order: 1177 Quarterly trailer inspection

Location: ATLTERM Atlanta Domicile Terminal

Asset: T1002 1997 Utility 53ft Trailer

Configuration Item: >>

Parent WO: >>

Classification: >>

Class Description: 🔍

Launch Entry Name: >>

Site: FLEET

Site for the Work Order and Asset

Repair Facility: BEDFORD Bedford Repair Facility

Repair Facility Site: BEDFORD

Site where the work is done

Attachments

Status: WORKORDE

Status Date:

Inherit Status Changes?

Accepts Charges?

Is Task?

Under Flow Control?

Suspend Flow Control?

Flow Action:

Action Assist?

Storeroom Material Status: ⓘ

Direct Issue Material Status: ⓘ

Work Package Material Status: ⓘ

Material Status Last Updated:

Job Details

Job Plan: >>

Job Plan Revision #:

PM: >>

Safety Plan: >>

Asset Details

Asset Up?

Warranties Exist?

SLA Applied?

Charge to Store?

Priority

Asset/Location Priority: 2

Priority:

Priority Justification:

Risk Assessment:

Solutions addressed with Release 7.x

- *The user spends lots of time in Maximo and does a lot of data entry, they asked us to:*
 - “Anticipate what I will need next and present it to me (don’t make me hunt for it)”
 - “Don’t let me make avoidable errors”
 - “Help me to complete my tasks in as few steps as possible”
 - “Don’t slow me down when I’m on a roll”
 - “My eyes are bad, sometimes I can’t read the screen”

- What’s coming?
 - Improved [*Table window*](#) refresh behavior
 - Enabled [*‘heads down’ data entry*](#) (asynchronous validation)
 - [*Browser zoom*](#) enabled, users can zoom in (ctrl+) or zoom out (ctrl-) of application screens
 - Faster [*date/time look up*](#) (new calendar control)
 - [*Rich-text editor*](#) (can format text the way they want to see it)

Table Window

Work Order Tracking Bullets: (0) Go To Reports Start_Center Profile Sign Out Help

Find: Select Action [Icons]

List Work Order **Plans** Assignments Related Records Actuals Safety Plan Log Data Sheet Failure Reporting Specifications

Work Order: 1150 Emergency Generator Overhaul Site: BEDFORD Status: WAPPR
 Parent WO:

Children of Work Order 1150 Filter > [Icons] 0 - 0 of 0

Sequence	Record	Record Class	Summary
...No rows to display.			

Tasks for Work Order 1150 Filter > [Icons] 7 - 12 of 15

Sequence	Task	Summary	Estimate	Status	Owner	Owner Group
70		Check battery posts, cables for tightness.	0:30	WAPPR		
80		Check heat exchangers.	0:12	WAPPR		
90		Place control switch on each control board to	0:11	WAPPR		
100		Check V-belts, deflection 9/16 to 13/16 in..	0:12	WAPPR		
110		Clean entire unit.	1:00	WAPPR		
120		Remove and clean air induction filters.	0:18	WAPPR		

When I save, focus remains on the last table row that was edited

List page

Work Order Tracking Bulletins: (0) [Go To](#) [Reports](#) [Start Center](#) [Profile](#) [Sign Out](#) [Help](#)

Find: Select Action

[List](#) [Work Order](#) [Plans](#) [Assignments](#) [Related Records](#) [Actuals](#) [Safety Plan](#) [Log](#) [Data Sheet](#) [Failure Reporting](#) [Specifications](#)

[Advanced Search](#) [Save Query](#) [Bookmarks](#)

Work Orders [Filter](#) 61 - 80 of 395 [Download](#)

Work Order	Description	Location	Asset
2001	Ventilation Fan - Check-out Noise	SHIPPING	
2002	Stop Guard on Shipping Dock	SHIPPING	
2003	Scale Calibration on Dock Mis-reading	SHIPPING	
2004	Feeder Jammed	BPM3100	13110
2005	Check-out Leaking	BPM3100	13145
2006	Check-out Alignment of Steel Support Bracket	BPM3100	WAPPR
2007	Air Filter - Check-out	BOILER	WAPPR
2008	<i>Fire Door Cable Broken</i>	<i>BOILER</i>	<i>WAPPR</i>
2009	Ventilator in Boiler Room Making Noise - Check-out	BOILER	WAPPR
3000	New fall 97 outage		WAPPR

When I save a record and go back to the List, the result set is still in the state I left it until I hit refresh.

Records that have been touched are Italicized to indicate they have changed

'Heads down data entry' (Asynchronous Validation)

The screenshot shows the IBM Maximo Work Order Tracking interface. At the top, there's a navigation bar with 'Work Order Tracking' and various utility links like 'Bulletins: (0)', 'Go To', 'Reports', 'Start Center', 'Profile', and 'Sign Out'. Below this is a search bar with 'Find:' and a 'Select Action' dropdown. A menu bar contains tabs for 'List', 'Work Order', 'Plans', 'Assignments', 'Related Records', 'Actuals', 'Safety Plan', 'Log', 'Data Sheet', 'Failure Reporting', and 'Specifications'. The main content area is divided into two columns. The left column contains fields for 'Work Order: 1176', 'Location: [red X]', 'Asset:', 'Configuration Item:', 'Parent WO:', 'Classification:', 'Class Description:', 'Launch Entry Name:', 'Repair Facility:', and 'Repair Facility Site:'. The right column contains fields for 'Site: BEDFORD', 'Class: WORKORDE', 'Work Type:', 'GL Account: 6210-325-??', 'Failure Class: BOILERS', 'Problem Code:', 'Workroom Material Status:', 'Work Package Material Status:', and 'Material Status:'. A modal dialog box is open over the 'Location' field, displaying the text: 'You entered: booler' and 'BMXAA2661E - Location BOOLER is not a valid location.' with two buttons: 'Edit My Value' and 'Go Back'. A yellow callout bubble points to the dialog box with the text: 'I can enter data at my own pace, and address errors and warnings when I want to'. At the bottom, there are sections for 'Job Details' and 'Asset Details'.

I can enter text in the format that I want on a Maximo screen. I don't need to rely on attachments for rich-text formatting.

- Long Descriptions, Communication Templates and Displays in BIRT reports

The screenshot shows the 'Long Description' editor interface. At the top, the title is 'Long Description' and the content is 'Boiler- 50,000 Lb/Hr/ Gas Fired/ Water Tube'. Below this is a rich text toolbar with various icons for undo, redo, cut, copy, paste, bold, italic, underline, strikethrough, bulleted list, numbered list, indent, outdent, link, unlink, text color, background color, and font face. Below the toolbar, the text 'PROBLEM: Boiler Produces No Heat' is highlighted in yellow. Underneath are sections for 'Possible Causes' and 'Possible Repairs', each containing a bulleted list of items with some text in blue, indicating hyperlinks. At the bottom right, there are four buttons: 'Reset', 'Clear', 'OK', and 'Cancel'.

PROBLEM: Boiler Produces No Heat

Possible Causes

- Boiler has no power
- Water level is low
- Pilot or electronic burner ignition malfunction
- Thermostat malfunction

Possible Repairs

- [Circuit breaker](#) or [fuse](#) controlling the furnace is [tripped or blown](#). [Reset tripped](#)
- Maintain water level at half full. The boiler's automatic filling system using the maintaining a 12-15 psi pressure. If you do not have a pressure reducing valve feed valve until boiler pressure reaches 12 psi.
- Natural gas or propane control valve to boiler burner is closed.
- Pilot light is out. [Relight standing pilot](#).
- Troubleshoot [electronic ignition](#) system if boiler has no standing pilot.
- Check that thermostat is in **heat mode** and has appropriate temperature setting.
- Try moving thermostat setting for temperature up or down a few degrees.
- [Troubleshoot thermostat](#).

Supported Features:

- Flexible Fonts
- **Bold**, *Italics*, Underline, etc.
- Character Sizes
- Bullets
- Colors and Highlighting
- URL links
- Supports copy/paste from Word, etc.

Displays in reports

Tivoli software

Asset Details

11400: Boiler- 50,000 Lb/Hr/ Gas Fired/ Water Tube
PROBLEM: Boiler Produces No Heat

Possible Causes

- Boiler has no power
- Water level is low
- Pilot or electronic burner ignition malfunction
- Thermostat malfunction

Possible Repairs

- [Circuit breaker](#) or [fuse](#) controlling the furnace is [tripped or blown](#). [Reset tripped circuit breaker](#). Replace [blown fuse](#).
- Maintain water level at half full. The boiler's automatic filling system using the pressure relief valve should maintain proper water level by maintaining a 12-15 psi pressure. If you do not have a pressure reducing valve you can also manually feed the boiler by oping up the water feed valve until boiler pressure reaches 12 psi.
- Natural gas or propane control valve to boiler burner is closed.
- Pilot light is out. [Relight standing pilot](#).
- Troubleshoot [electronic ignition](#) system if boiler has no standing pilot.
- Check that thermostat is in **heat mode** and has appropriate temperature setting.
- Try moving thermostat setting for temperature up or down a few degrees.
- [Troubleshoot thermostat](#).

Enabled Rich Text Formats to display in BIRT Reports

Site: BEDFORD	Type:	Calendar: COMPANY1
Status: NOT READY	Priority: 5	Shift:
Maintain Hierarchy? N	Serial Number: 66392	Failure Class: BOILERS
Parent:	Location: BR400	Condition Code:
Parent Description:	Location Desc: Main Boiler- 50,000 Lb/Hr	Group Name:

Vendor	Manufacturer	Install Date	Warranty Exp Date	Purchase Price	Replace Cost	Total Cost	YTD Cost	Budget Cost	Inventory Cost
BWC	BWC	5/31/94	11/29/99	131000.00	225000.00	114765.00	4865.00	5000.00	0.00

Asset Up?	Total Downtime	Changed By	Changed Date
1	4.666666666666667	WILSON	2/22/11 9:15:52 PM

Asset	Asset Description	Location	Location Description
11460	Burner, Gas Fired- For Boiler	BR460	Burner, Gas Fired- For Boiler

Solutions addressed with Release 7.5

- *Maximo is pretty configurable, but there's always things to improve...*

- **Examples:**
 - The Integration Framework is pretty powerful, but sometimes our business users have small sets of data they need access to or need to load into the system quickly: *[Application Export/Import](#) can be configured through the UI. User can export a result set of records, make a series of quick changes within excel, xml, etc. and then import back to Maximo (bulk maintenance or loading small sets of new records)*

 - We have developed some custom java class files to meet our business needs, however we'd like an easier way to configure logic without class files: *With the [Automation Scripts](#) application, you can implement scripts to automate routine tasks without having to recompile Java files or restart the server. Permits an extra level of configuration capability (i.e. calculated fields)*

Application Export/Import

Export/Import toolbar buttons

- Added through Object structures
- Controlled through Security
- Imported data is validated through business logic
- Able to run in Preview mode

ASSETID	ASSETTAG	ASSETTYPE	AUTOWBIN	BUDGETCO	CALC	CHANGEDBY	CHANGEDATE	CH	CHLC	CONC	DEFAU	DEFAULS	DESCRIPTION	AS_DESCRIPTION_LD	DIREC
11200			0	2000	COM WILSON	2005-02-07	10 09:21:05	0	1				HVAC System- 50 Ton Cool Cap/ 450000 Btu Heat Cap		
11210	6439	FACILITIES	0	1500	COM WILSON	2005-02-07	10 11:07:05	0	1				Circulation Fan- Centrifugal/ 20/000 CFM		
11211	4285		0	400	COM WILSON	2005-02-07	10 11:43:05	0	0				Motor Starter- Size 2/440v/3ph/60cy		
11230	4453		0	2500	COM WILSON	2005-02-07	10 14:03:05	0	0				Emergency Generator		
11240	6439	FACILITIES	0	0	COM WILSON	2005-02-04	06 38:43:05	0	0				Circulation Fan- Centrifugal/ 20/000 CFM		
11250	6439	FACILITIES	0	1000	COM WILSON	2005-02-07	10 14:48:05	0	0				Circulation Fan- Centrifugal/ 20/000 CFM		
11300	4286		0	3000	COM WILSON	2005-02-07	10 15:13:05	0	1				Reciprocating Compressor- Air Cooled/100 CFM		
11340	4285		0	400	COM WILSON	2005-02-07	10 15:39:05	0	0				Motor Starter- Size 4/NEMA 12/440v/3ph/60hz		
11400	5937		0	5000	COM WILSON	2005-02-07	10 16:01:05	0	1				Boiler- 50,000 Lb/Hr/ Gas Fired/ Water Tube		
11430	6491		0	1250	COM WILSON	2005-02-09	08 01:37:05	0	1				Centrifugal Pump 100GPM/60FT HD - Updated		
11450	6423		0	1200	COM WILSON	2005-02-09	08 24:53:05	0	1				Centrifugal Pump 100GPM/60FT HD - Updated		
11460	6434		0	0	COM MAXIMO	1999-12-07	12 27:27:05	0	0				Burner, Gas Fired- For Boiler - Updated		
23972	9442		0	125	COM WILSON	2005-02-07	10 23:15:05	0	0				Motor- 10hp/1750rpm/TEFC/254T Frame/440v/3ph/60hz		
49332	2494		0	0	COM MAXIMO	1999-01-12	10 07:11:05	0	0				Motor- 10hp/1750rpm/TEFC/254T Frame/440v/3ph/60hz		

Enhancements to Help

- The overall objective toward the enhancements to Help is to allow the user to accomplish their work while staying in the product

Feature	Benefit
<i>Technical content of the product is now in one information center and installed on the customer network</i>	<i>Permits better access to a more complete library of information.</i>
<i>A single search for all products</i>	<i>All help for all Service Management products available in one place!</i>

Accomplish your work while you stay in the product

- Information content improvements made to complex areas of product
- Included links to relevant topics for more information

The screenshot shows the 'Select Attributes for Replacement' dialog box in the IBM Maximo interface. The dialog contains the following sections:

- Instructions:** Select a migration object and then select the attributes whose values you want to replace when the package is deployed. When the package is deployed, the deployment administrator can define the replacement rules or deploy the values that come from the source environment. [More information](#)
- Package Definition:** Package Definition Name: 1000, Snapshot of Data Dictionary group
- Objects and Attributes Selection:** Migration objects list with 'Show all' selected.
- Attributes Table:** A table with columns 'Attribute', 'Replacement Required?', and 'Remarks'. It currently displays '...No rows to display...'.

A red circle highlights the 'More information' link in the instructions, and a red arrow points from it to a separate information window below the dialog. This window contains the following content:

[Maximo Asset Management](#) > [Migration Manager](#) > [Migrating your configuration content](#) > [Defining the configuration content to be migrated](#) > [Creating package definitions](#)

Attribute replacements

You can specify attribute replacements in a package definition to indicate the values in a package that might need to be replaced when the package is deployed. Attribute replacement might be needed when the data in configuration records in the target environment does not match the data in the source environment.

The replaced values are determined by replacement rules.

Attribute replacement is useful when the creator of the package definitions does not know the data constraints in the target environments to which packages will be deployed.

The specified attributes to be replaced are stored in the metadata of a package.

[Feedback](#)

Search with highlighting

The screenshot shows the IBM Maximo Information Center interface. At the top, the search bar contains 'XML code' and is highlighted with a red box. Below the search bar, the search results are displayed in a list. The result 'Working with application design' is highlighted in blue. A red arrow points from a toolbar icon in the top right corner to the word 'XML' in the search results, which is highlighted in blue. The main content area shows the details for 'Working with application design', including a description and several sub-sections with blue links: 'Creating applications', 'Adding signature options to an application', 'Configuring conditional properties', 'Changing the properties of controls', 'Adding items to toolbars and menus', 'Importing applications', and 'Showing all controls'. The 'Importing applications' section also contains the text 'XML code' highlighted in blue. At the bottom, there is a 'Parent topic: Application Designer' and a 'Feedback' link.

Information center IBM

Search: Search scope: All topics

Search Results

5 result(s) found for **XML code**

- [Importing applications](#)
Information about the controls that are used to compose a user interface is saved in XML format. The XML code can be applied to an application that you create in the Application Designer.
- Working with application design**
You can create applications, configure options, change properties, add items to toolbars, import applications, and export applications. Creating applications The Application Designer lets you create three different types of new applications, power applications, single page applications and self service applications. The system uses a different template for each application type to create the basic user interface structure of the application.
- [Exporting applications](#)
The system maintains information about the controls that are used to compose a user interface in XML format, and stores this information in the database. Use the Export function to export applications.
- [Migration Manager error messages](#)
You can take corrective actions to respond to the error messages produced by the Migration Manager application. Error code Error message Message details in the message details window.
- [Glossary terms for IBM Maximo Asset Management.](#)
IBM Maximo Asset Management, Version 7.5 Glossary This glossary includes terms and definitions for IBM® Maximo® Asset Management. The following cross-references are used in this glossary: See reference

Working with application design

You can create applications, configure options, change properties, add items to toolbars, import applications, and export applications.

[Creating applications](#)
The Application Designer lets you create three different types of new applications, power applications, single page applications and self service applications. The system uses a different template for each application type to create the basic user interface structure of the application.

[Adding signature options to an application](#)
Signature options specify privileges for using applications, menu options, and toolbar items. You can control access to various elements of an application by adding or modifying the signature options for that application.

[Configuring conditional properties](#)
The Configure Conditional Properties window in the Application Designer lets you configure how a control appears or behaves for a specific group of users. Configure Conditional Properties is used to determine conditional access to a control, such as a field or tab.

[Changing the properties of controls](#)
You can use the **Control Properties** function to change the properties of a control. The Properties window shows all the attributes and assigned values of the highlighted control along with the name of the control at the top of the window.

[Adding items to toolbars and menus](#)
You can add buttons to toolbars, add actions to the **Select Action** menu, and add menu items to the **Search** menu.

[Importing applications](#)
Information about the controls that are used to compose a user interface is saved in **XML** format. The **XML code** can be applied to an application that you create in the Application Designer. The user interface for an application is called the application definition. There are times when editing the **XML** file of an application definition is more efficient than using the Application Designer to make changes.

[Showing all controls](#)
Use **Toggle Show All Controls** in the **Select Action** menu in the Application Designer to view and hide controls that are not visible when you open an application in the Application Designer.

Parent topic: [Application Designer](#)

[Feedback](#)

Linear Assets add-on: Visual Control

Assets Bulletins: (0) Go To Reports Start Center Profile S

Find: Select Action [Icons]

List Asset Spare Parts Safety Meters Specifications Features Work

Asset: I-95N Interstate 95 Northbound Site: BEDFORD

Classification: ROAD Class Description:

Specifications Filter [Icons] 1 - 10 of 24

Use the slider control below the graph to change the start and end measures and to zoom in. Drag the graph to scroll. [More information](#)

Specification	Start Measure	End Measure	Value
ALT NAME	0	90	Capital Beltway / John F. Kennedy Memorial Highway
AREA	0	90	Suburban / Rural / Suburban
COUNTY	0	90	Prince George / Howard / Baltimore / Baltimore City / Baltimore
DISTOFC	0	90	
ELEV	0	90	
FUNCCLAS	0	90	Principal Arterial - Interstate
LANES	0	90	
LOS	0	90	B / C / B
ROADMAT	0	90	
SPEED	0	90	65
TERRAIN	0	90	Rolling
Work			
Work Orders			
1146			
Tickets			
Relationships			
Features			

Scroll-able control, use to view Specification details, Features, Relationships and Work along the linear asset

- Specifications
- ALT NAME
- AREA
- COUNTY
- DISTOFC
- ELEV
- FUNCCLAS
- LANES
- LOS
- ROADMAT
- SPEED**
- TERRAIN
- Work
- Work Orders
- 1146
- Tickets
- Relationships
- Features

65

Level of Service
Alphanumeric Value: C
Start Measure: 55
End Measure: 56



Additional Functionality



Continuing our innovation and leadership in the EAM market

- Maximo Functionality available out on ISM Library (OPAL) or through Support web site
 - Available from IBM download site and is free to use for customers

ITM for Maximo: Available for 6.2,x, 7.1 and 7.5
 Used for monitoring performance of Maximo environment
 (search Support website for: Maximo Monitoring)

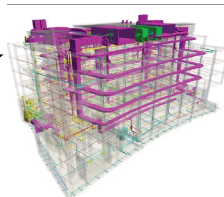


- ECRI Interface:** Available on 7.1 and 7.5

Provides real-time access to the AlertsTracker, a repository for hazard and recall alerts on medical devices. Identifies, within Maximo, any equipment on the hospital's inventory under a hazard and recall alert. (download from ISM Library)



Email for Maximo: Available on 7.1 (available end of March 2011)
 Generates an email based on any condition. Receive a reply to update a record in Maximo. Send a confirmation email. Ideal for Work Order status updates and Approvals, workflow approvals. Works with BlackBerry or any email capable device (download from ISM Library)



- BIM Integration:** Coming soon
 Part of the Facilities Mgmt story. More details available soon.

Download URL's

- URL Link to the ISM Library for downloads

<http://www-01.ibm.com/software/brandcatalog/ismlibrary/>

- URL Link to the Maximo Asset Management Support website:

http://www-947.ibm.com/support/entry/portal/Overview/Software/Tivoli/Maximo_Asset_Management

United States [select]

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- Detailed system requirements

Flashes & alerts

Alerts: Get the most up to date alerts for your product(s)

Maximo Asset Management

Downloads for Tivoli Monitoring for Maximo



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Add or remove products by returning to the [IBM Support Portal](#).

Product(s) list:

- Maximo Asset Management (64)

Software product version

- Version Independent (3)
 Unspecified (5)
 711 (3)
 710 (3)
 621 (9)
 610 (3)
 7.2 (4)

Current selections:

• Viewing All

Content type

- Alert (4)
 Authorized program analysis report (17)
 Documentation index (1)

Search

Search for [New search](#) (show everything with no search terms or filters applied)

Search results

1 - 20 of 64 results [Next](#) →Sort by: 

Tivoli Monitoring Agent for Maximo 6.2.1 Feature Pack
...the optional IBM Tivoli **Monitoring Agent for Maximo 6.2.1 Feature Pack**. Download...Tivoli **Monitoring** and the **Monitoring Agent for Maximo**, you can monitor aspects...several optional agents, the **Monitoring Agent for**...
Last modified date: 3 Nov 2009

Tivoli Monitoring Agent for Maximo 7.1.1 Feature Pack
...the optional IBM Tivoli **Monitoring Agent for Maximo 7.1.1 Feature Pack**. Download...Tivoli **Monitoring** and the **Monitoring Agent for Maximo**, you can monitor aspects...several optional agents, the **Monitoring Agent for**...
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Looking ahead: Focus on Innovation - Visualization, Optimization

The collage illustrates the following Maximo capabilities:

- Item Master:** A detailed view of an asset (Item 04031, Elbow, Street, 1-1/8 In X 90 Deg) with fields for Item Set, FITTINGS, and Attachments. It includes a 3D model of the brass elbow.
- Assets:** A list view of assets with columns for Status (OPERATING), Linear?, and Attributes. A table shows asset details for Capital Beltway, including location (John F. Kennedy Memorial Highway) and a progress bar.
- Form Display:** A 'Personnel' form for location YES and extension Voice_Jack_2, with a 'Show' filter set to 'All records'.
- Heat Map:** A visualization of a facility layout with a color-coded heat map and a grid overlay.
- Map:** A geographic map showing 'Sheraton Plaza 2 GP Replacement' and 'Fort Pierce' with various district markers and a 'Leak' popup window.
- Scheduler:** A Gantt chart showing project tasks from March to April, including 'FUEL STORAGE PROJECT' and 'Design and Procurement - Phase 1'. A resource usage bar chart below shows the allocation of Electrician, Machinist, Mechanic, and Carpenter.

Application Development Technology

- Performance and Scalability
 - Dedicated team
 - Benchmarking
 - Identify framework improvements and recommendations

- Maintain and Extend supported platforms
 - Browsers (eg. Google Chrome, Safari)
 - Stay current with Application Server versions, DBMS (Oracle, DB2, MS SQL Server)
 - Operating Systems

Looking Out 5 to 10 Years...

- **Products Evolve through Technology Life-cycles**
 - 3rd Generation Architecture for Maximo
 - Convergence of Plant and IT networks

- **Current J2EE Architecture is mature but with a long life**
 - We expect to continually enhance architecture as standards mature, but not make fundamental changes

- **Long term focus is on application functionality**
 - In the Service and Asset Management Space
 - Expect to leverage evolving technologies:
 - Continuous focus on industry specific functionality
 - Service Oriented Architecture
 - Trends toward SaaS
 - Asset based Active RFID devices
 - GPS and GIS systems
 - Increase Mobile accessibility



Thank You....

